AUTHOR INDEX

PII: S1352–2310(98)00308–2

Aaes, O. 295
Abeck, H. 2649
Aben, J. M. M. 317
Acker, K. 3435
Ackermann, I. J. 2981
Acuna, G. 3415
Addis, R. 4089
Afinogenova, O. 647
Ahleson, H. 423
Akbari, H. 95
Alarcón, M. 179
Alastuey, A. 719, 1963
Alegria, H. 1849
Aleksic, N. M. 3863
Allegrini, I. 929
Allison, C. E. 3331
Amanatidis, G. T. 2327
Amano, H. 2587
Ambrosetti, P. 1257
Ames, M. 865
Ammann, C. 499
Anastasi, C. 711, 2825
Andersen, H. V. 423
Anderson, B. E. 169
Anderson, J. M. 3493
Andersson, M. 3897
Andersson-Sköld, Y. 693
Aneja V. P. 353
Anfossi, D. 1157, 1257, 3611, 4157
Angeletti, G. 2043, 2327
Angle, R. P. 673, 3835
Apsimon, H. M. 573
Arah, J. R. M. 3229, 3257
Arganza Garcia, B. 3027
Arndt, R. L. 1383, 1397
Arnold, F. 3073, 3097
Artiñano, B. 1963
Asman, W. A. H. 415
Auel, R. 3435
Ausset, P. 2859
Austin, J. F. 3339
Avila, A. 179
Ayers, G. P. 3586, 3647
Äyräs, M. 2609
Azad, A. K. 1991

Baart, A. 693
Bächmann, K. 1757
Baechmann, K. 767
Baeyens, W. 3445
Bagwell, D. R. 169
Baik, N. J. 3905
Bais, A. 2193
Bais, A. F. 2203
Baker, M. 3493
Balis, D. 2071, 2161, 2183, 2193, 2313
Baltensperger URS 3953
Baltensperger, U. 3381, 3975, 3985, 4001
Bannery, F. 2859
Bardsley, T. 3586, 3827
Barquero, C. G. 253
Barrett, K. 381
Barthelmie, R. J. 345
Bartnicki, J. 4277
Bartzis, J. G. 1301, 2123, 2291
Bastrup-Birk, A. 4167
Batchvarova, E. 2055, 4123
Batterman, S. A. 1647
Battye, R. 353
Battye, W. 353
Baumann, M. 1647
Baumann, R. 3097
Bayramli, A. 3113
Becker, K. H. 2721
Beggs, P. J. 1777
Bell, B. G. 3205, 3331
Bellasio, R. 4307
Benech, B. 4139
Benham, D. G. 3321
Benjamin, M. T. 53
Benjey, W. G. 353
Bennett, M. 2423
Benstead, J. 3229
Berger, H. 4123
Berger, U. 3157
Berlowitz, D. 1283
Berntsen, T. K. 3593
Bessemoulin, P. 4123
Beswick, K. M. 3283
Beverland, I. J. 1039, 3265
Beyrich, F. 1027, 1323
Bianconi, R. 4307
Bidleman, T. F. 1849
Bifano, C. 3051
Bilger, R. W. 611, 629
Binder, H.-J. 1179, 1323
Binkowski, F. S. 2981
Binnie, J. 519
Birbatakoy, S. 1811
Bisbikou, K. 967
Biswas, P. 1839
Black, F. 2443
Blatter, A. 499
Bleeker, A. 481
Bloom, N. S. 2649
Bloxam, R. 829
Bock, B. R. 1623
Bode, K. 1765, 1947
Bofinger, N. 2467
Bogatyrev, I. 2609
Böhm, R. 4031
Bompay, F. 4351
Bonneau, M. 1817
Boon, K. F. 2817
Borgoul, P. V. 1911
Borgschulte, A. 773
Bornick, R. M. 1445
Bornstein Dr. 2710
Bouchet, M. 2705
Bower, K. N. 359
Brace, S. 3629
Brancaleoni, E. 1947
Brandt, C. 797
Brandt, J. 4167
Brankov, E. 1525
Brantner, B. 3967
Brasseur, G. P. 2329
Bremle, G. 1011
Bretz, S. 95
Brown, R. J. 611, 629
Brüggemann, E. 3435
Brühl, C. 3173, 3185
Brunekreef, B. 1921, 3717
Brusasca, G. 1141, 1157, 2025
Brussol, C. 1485

Buijsman, E. 317
Builtjes, P. J. H. 693
Bull, K. R. 565
Burgess, L. R. 285
Burgess, R. A. 3339, 3353
Burkhardt, J. 325
Burkhardt, J. K. 473
Busen, R. 3073
Butler, T. J. 3749
Butterbach-Bahl, K. 559

Cachorro, V. E. 239
Caffrey, P. F. 1911
Calas, N. 2705
Calhoun, J. A. 823
Calori, G. 1383, 2025
Calpini, B. 2141, 2151, 2193
Cao, M. 3293
Cape, J. N. 519, 3353
Cardelino, C. A. 2709
Cárdenas, L. M. 3339
Caritat, P. D. 2609
Carmichael, G. R. 1383, 1397, 1427
Carpenter, L. J. 3353, 3647
Carpi, A. 873
Carroll, J. J. 3001
Carter, W. 3403
Casimir, A. 883
Cass, G. R. 2803, 3805
Castans, M. 253
Castelli, S. T. 4157
Catenacci, G. 2025
Catsaros, N. 1301, 2291
Cavalli, F. 3767
Cecinato, A. 1947
Cellier, P. 279
Cernuschi, S. 2923
Chambers, B. J. 309
Chambers, D. B. 1729
Chan, L. Y. 159
Chang, J. C. 3619
Chang, J. C. S. 231, 3581
Chang, Y.-S. 1383
Chekushin, V. 2609
Chen, J.-L. 1839
Chen, Y.-H. 1445
Cheng, L. 673, 3835
Cheng, S. 2559
Chevroulet, T. 263
Chia, G. 2649
Chino, M. 4343
Cho, S. Y. 2745
Choularton, T. W. 359, 3283
Chow, J. C. 2835
Christakos, G. 2845
Christensen, J. H. 4167
Christoffersen, T. S. 1657
Church, T. M. 1719
Ciais, P. 3703
Ciccioli, P. 1947
Cieslik, S. 1257, 1273
Cionco, R. M. 7
Cipriano, A. 3415
Clark, J. A. 285
Clark, K. L. 1595
Clarkson T. S. 2899
Clayton, H. 3301
Clemitshaw, K. C. 3339, 3353
Clymo, R. S. 3205, 3207
Cobourn, W. G. 2637
Cofer III, W. R. 169
Colbeck, I. 2183
Colin, J. L. 3445
Colls, J. S. 3795
Colombi, A. 3569
Conen, F. 3301
Connel, P. S. 107
Connolly, R. 4095
Conny, J. M. 2669
Cooper, L. N. 3331
Corigliano, F. 225
Cornell, S. E. 1903
Corsmeier, U. 1179, 1323
Coward, P. A. 3321
Cowell, D. A. 573
Cox, R. A. 2329
Crescenti, G. H. 1499
Cropley, F. D. 3265
Crowther, J. M. 1039
Croxford, B. 1049
Curren, K. 3457

D'Abreton, P. C. 1511
D'Amours, R. 4335
Dambrine, E. 1817
Dameris, M. 3185
Das, M. 693
Daulat, W. E. 3207
Davidson, R. 2713
Davies, K. L. 3229
Davis, J. M. 2505
De Hartog, J. J. 1921
De Vries, W. 525
Degrazia, G. 3611
Del Monte, M. 2859
Delalieux, F. 733
Deligiannis, P. 1301
Demmers, T. G. M. 285
Denmead, O. T. 3679
Derwent, R. 145
Derwent, R. G. 401, 2429, 3689, 3703
Desiato, F. 1141, 1157, 4157
Di Pasquale, S. 225
Dickinson, A. L. 519
Diehl, K. 3145
Dierssen, J. P. 365
Dietl, F. 983
Dietz, R. N. 4109
Dimmer, C. 145
Dobben, H. van 525
Dollard, G. J. 269, 431, 855
Dop, H. V. 4089
Dorling, S. 3339
Dorling, S. R. 2627
Dörnbrack, A. 3105
Drakou, G. 595
Drewitt, G. B. 3457
Du, S. 1955, 3403
Duarte, A. C. 1979
Dueck, Th. A. 545
Duffy, B. L. 2685, 2693
Dunse, B. L. 3331
Dupre, B. 749
Dürbeck, T. 3105
Durieux, E. 2141, 2151, 2193
Dutaur, L. 1947
Dutkiewicz, V. A. 2793
Duyzer, J. 465
Duyzer, J. H. 333

Ebel, A. 2981, 3157
Ebert, P. 767
Eckardt, F. D. 2595
Eder, B. K. 2505
Edner, H. 3897
Edwards, C. 3247

Eerden, L. van der 525
Egami, R. T. 2835
Egeløv, A. H. 2601
Ehret, T. 3089
Eldering, A. 2017
Elderson, J. 545
Elding, L. I. 797
Eleftheriadis, K. 2183
Ellefsen, R. 7
Ellermann, T. 4207
Erisman, J. W. 441, 481
Escalona, A. 3051
Espejo, A. 3415
Etzkorn, T. 3731

Fabian, P. 2089, 2103
Fahrni, M. 301
Fantechi, G. 3547
Favoni, O. 215
Fay, B. 4359
Ferm, M. 1377
Fernández Diaz, J. M. 3027
Fernau, M. E. 3619
Ferrara, R. 3897
Ferrero, E. 1157, 4157
Fiedler, F. 693, 1179, 1229, 1323
Finardi, 1141
Finzi, G. 2025
Fiorani, L. 2141, 2151, 2193
Flamm, M. 2141
Flechard, C. R. 453
Florida, L. 3569
Flura, D. 279
Fosmire, C. J. 1663, 1679
Foss, A. 4277
Fowler, D. 269, 325, 453, 473, 3219, 3275, 3283, 3311
Francey, R. J. 3331
Frank, G. 983
Fraser, G. 4089
Frattoni, M. 1947
Frejafon, E. 2957
Freney, J. R. 3679
Freudenthaler, V. 3123
Freydier, R. 749
Frick, R. 301
Frohn, A. 3139, 3153
Fruekilde, P. 1893
Fugit, J. L. 1947
Furuno, A. 4343
Fustinoni, S. 3569

Gaeggeler, H. W. 3985
Gaffnery, J. S. 2873
Gaffney, J. S. 1435, 1445
Gäggeler, H. W. 3975, 4001
Galbally, I. E. 2685, 2693, 3647
Gallagher, M. W. 3283
Gallardo, L. 647
Galloway, J. N. 1719, 2453
Galperin, M. V. 373
Ganor, E. 1631
Garcia Nieto, P. J. 3027
Gardner, M. W. 2627
Garland, J. A. 431
Gasche, R. 559
Gatz, D. F. 1129
Gėlinas, Y. 1473
Genermont, S. 279
Gerlach, C. 1765
Geyer, A. 3731
Ghedini, N. 215
Gholz, H. L. 1595
Giampiccolo, R. 3569
Gill, G. A. 909
Gillespie, T. J. 3457
Gillett, R. 3586
Gillett, R. W. 3647
Gipson, G. L. 1535
Girardi, F. 4089, 4095
Giugliano, M. 2923
Glaab, H. 4359
Glasgow, R. M. 2017
Glasius, M. 3767
Gleitsmann, G. 3079
Gobbi, G. 215, 783
Godfrey, J. J. 2899
Godon, N. A. 1587
Goldstein, R. 3403
Gomes, J. F. P. 659
Graf, H.-F. 2757
Gräfe, H. 1027
Granby, K. 2601
Gray, H. A. 3805
Graziani, G. 1241, 1257, 1301, 4089, 4307
Green, C. 1849
Gregori, M. 3557
Gregson, K. 3293
Grenfell, J. L. 2769
Grennfelt, P. 1407
Grewe, V. 3185
Grieken, R. V. 733, 3011
Griffith, D. W. 3679
Griffiths, R. F. 1857, 3845
Gromov, S. 647
Grooß, J.-U. 3173, 3185
Grosjean, D. 3371, 3393
Grosjean, E. 3371, 3393
Gryning, S.-E. 2055, 2089, 4123
Gubala, C. 919
Guenther, A. 1581
Guentzel, J. L. 909
Guerin, D. 473
Gullu, G. 865
Günther, A. 365
Guo, Z. 231, 3581
Güsten, H. 1195
Gut, A. 499

Haas, T. C. 1865
Hakola, H. 1825
Hales, B. A. 3247
Hall, B. 823
Hall, D. J. 1857, 3845
Hall, G. H. 3247
Hall, J. S. 3669
Halliwell, W. 431
Hänel, G. 1743
Hanna, S. R. 3619
Hansen, A. B. 2601
Hansen, B. 461, 1059
Hanson, P. J. 895
Hara, H. 2939
Hargreaves, K. J. 3219, 3275, 3283
Hariharan, R. 3403
Harper, L. A. 273, 3679
Harrington, D. Y. 1691, 1701
Harris, J. M. 159
Harrison, R. M. 1881, 2769, 3339
Harssema, H. 1921, 3717
Hartwig, S. 2731
Haschberger, P. 3097
Haslhofer, J. 4041
Hass, H. 2981
Hatano, N. 2587

Hatano, Y. 2587
Häufel, J. 2879
Hauglustaine, D. 2329
Hayami, H. 1427
Heal, M. R. 1039
Heard, A. C. 1059
Heard, D. E. 801
Heathfield, A. E. 711, 2825
Heber, U. 539
Hedley, M. 2969
Heinrich, G. 1195
Heland, J. 3067
Helmig, D. 1581
Hereid, D. 1581
Hering, A. M. 3381
Hernandez, A. 3897
Hertlein, A.-M. 1097
Herzog, M. 2757
Hildebrandt, E. W. 85
Hilst, G. R. 3891
Hittenberger, M. 4245
Hjorth, J. 1657, 1893, 3547, 3767
Hoek, G. 3717
Hoekstra, E. J. 3059
Högger, D. 499
Hogrefe, C. 2569
Homburg, F. 3123
Hori, M. 1021
Horie, O. 1657
Horstmann, M. 1799
Horváth, L. 339, 1317
Hov, Ø. 693
Hovmand, M. F. 423
Hristos, S. 2313
Hubbard, M. C. 2637
Huber, Ch. 559
Hummelshøj, P. 1167
Husain, L. 2793
Husted, S. 491, 507

Ignatova, N. 1817
Iida, T. 1931, 2947
Ikebe, Y. 1931, 2947
Ineson, P. 3321
Injuk, J. 3011
Inoue, Y. 4089
Isaksen, I. 2329
Isaksen, I. S. A. 3593
Ishikawa, Y. 2939
Islam, S. 1839
Iwasaki, T. 4285

Jaarsveld, H. van 481
Jacobsen, I. 4359
Jacobson, M. Z. 791
Jaeschke, W. 365
Jaffrezo, J. L. 2705
Jäger, H. 3123
Jain, A. K. 107
Janssen, N. A. H. 1921
Jantunen, M. 1135
Jaque, F. 3665
Jaquet, L. 2141, 2151, 2193
Jarvis, S. C. 309
Jenkin, M. E. 2429
Jensen, N. R. 1657, 1893, 3547, 3767
Jenson, N. O. 423, 1167
Jiang, W. 2969
Jickells, T. 3445
Jickells, T. D. 1903
Jiménez de Haro, M. C. 993
Johansson, K. 919
Johansson, M. 409
Johnston, M. V. 2521
Jork, E.-M. 1765
Jorquera, H. 3415
Jost, D. T. 3953, 3975
Juan, R. 719
Juckes, M. 3113
Juuti, S. 3059

Kado, N. Y. 2497
Kaiser, W. 539
Kalaß, D. 3435
Kalabokas, P. D. 2103, 2123
Kalantzopoulos, A. 1811
Kalina, M. 3953
Kalina, M. F. 193
Kalthoff, N. 1179, 1323
Kambezidis, H. D. 2173
Kamiura, T. 2007
Kang, C.-H. 3905
Kangas, L. 409
Karlsson, R. 1711
Kasparian, J. 2957
Kasper, A. 3925, 3941, 3953, 3967, 4031
Katayama, K. 4285
Katz, P. E. 301
Kaye, A. 3283
Kazakov, S. V. 2587
Keeler, G. J. 929
Keene, W. C. 1719
Keller, C. 999
Kelly, N. 4089
Kenny, D. V. 2887
Kesselmeier, J. 1765, 1947
Keywood, M. D. 3586
Khari, P. 3783
Kidwell, C. B. 1911
Kiefert, L. 2817
Kim, J. Y. 3905
Kim, K.-H. 895
Kim, Y. P. 3905
Kingdon, R. D. 431
Kirchner, F. 693
Kirilenko, A. 2491
Kitada, T. 1991
Kjelgren, R. 35
Kjellström, E. 647
Kleeman, M. J. 2803
Kleffmann, J. 2721
Kleindienst, T. 2443
Klemm, O. 2209, 2071, 2269, 2223, 2313, 3097
Klinger, L. 1581
Klug, W. 4089, 4307
Knoth, O. 1785
Koffi, N. E. 4151
Koffi, E. N. 4109, 4139
Köhler, I. 3185
Kok, G. L. 1353, 3381
Konte, P. 2291
Kossmann, M. 1179, 1323
Kotzias, D. 1485, 1657, 1893
Koziol, A. S. 4227
Kreidenweis, S. M. 1691, 1701
Kremp, Ch. 3157
Kreutzer, K. 559
Kromp-Kolb, H. 3953
Küchler, W. 1027
Kuhlbusch, T. A. J. 1097
Kuhn, M. 693, 4041, 4053
Kulmala, A. 4089
Kumari, K. M. 3783

Lacaux, J. P. 749
Lai, C. C. 133

Lai, K.-H. 2865
Lakhani, A. 3783
Lam, K.-C. 2559
Lam, K. S. 159
Lamprecht, R. 1257, 1283
Landers, D. H. 919
Landing, W. M. 909
Langenberg, S. 3129
Langenfields, R. L. 3331
Langmann, B. 2757
Langner, J. 4219, 4325
Larsen, B. 1893
Larsen, B. R. 1485, 1657
Larsson, P. 1011
Laurila, T. 1825
Laville, P. 279
Lee, D. S. 269, 431, 855
Lee, J. H. 3905
Lee, R. L. 665
Leeuw, G. de 3011
Leermakers, M. 3445
Lefevre, R. A. 2859
Lehning, M. 1353
Leith, I. D. 3219
Lekkerkerk, L. J. A. 581
Lelieveld, J. 2329
Leung, D. Y. C. 255
Leuning, R. 3679
Leuzzi, G. 203
Levin, Z. 1631
Lighthart, B. 2491
Likens, G. E. 3749
Lin, C.-J. 2543
Lin, Z. 1911
Lindermann, C. 1027
Lindlberg, S. E. 807, 873, 895
Lindskog, A. 1407
Lister, D. H. 2329
Liu, C. H. 255
Liu, H. Y. 159
Ljungström, E. 1711
Lloyd, S. H. 3229
Lloyd, D. 3229
Lockhart, W. L. 919
Löffler-Mang, M. 1229
Løfstrøm, P. 423
Lopez-Soler, A. 719, 1963
Losno, R. 3445
Lowenthal, D. H. 2835
Lucotte, M. 919
Lyck, E. 4207

MacDonald, J. 3311
MacDonald, J. A. 3219
MacDonald, R. W. 1857, 3845
Macko, S. A. 2453
Macri, F. 967
Maddalena, R. L. 2497
Maeda, T. 2007
Magliano, K. 2835
Makar, P. A. 693
Maki, T. 4285
Malfroy, H. 3586
Manalis, N. 2183
Manins, P. C. 3586
Mantilla, E. 719, 1963
Mantis, H. T. 2203
Maqueda, C. 993
Marley, N. A. 1435, 1445, 2873
Marquardt, W. 3435
Marshall, S. 3293
Martilli, A. 1241
Maryon, R. H. 115, 4265
Marzolo, F. 2923
Marzorati, A. 1257
Masarie, K. A. 3331
Maserti, B. E. 3897
Massman, W. J. 1111, 1365
Mathur, R. 1535
Matsumoto, K. 1931
Matsumoto, M. 1419
Mattsson, M. 491
Mavilia, L. 225
Mazzeo, N. A. 1615
McCulloch, A. 711, 1571, 2825
McDonald, I. R. 3247
McDonald, K. M. 673
McFadyen, G. G. 3353
McKone, T. E. 2497
McLachlan, M. S. 1799
McPherson, E. G. 69, 75, 2710
McTaggart, I. P. 3301
McTainsh, G. H. 2817
Meixner, F. 499
Melas, D. 2173, 2209, 2223, 2313
Meleti, C. 2203
Memmesheimer, M. 2981
Mennen, M. G. 317
Menzi, H. 301
Metcalfe, S. E. 401
Metz, N. 1881
Meuleman, C. 3445
Meyer, C. P. 3647
Meyers, T. P. 895
Micallef, A. 3795
Midgley, P. M. 1571
Mikkelsen, T. 4167
Milford, C. 325
Milford, J. B. 693
Mircea, M. 2931
Miro, J. V. 1963
Mitra, S. K. 3145
Miyaji, H. 1931
Mohan, M. 3775
Molander, L. L. 1657
Möller, D. 3435
Möls, J. J. 333
Moncrieff, J. B. 3265
Monks, P. S. 3647
Montague, T. 35
Monti, P. 203
Moody, J. L. 2453
Morales, J. A. 3051
Morawska, L. 2467
Mori, A. 2939
Moriizumi, J. 2947
Morikawa, T. 2007
Moropoulou, A. 967
Morselli, M. G. 1141
Morvan, T. 279
Mosca, S. 4307
Munthe, J. 809, 829
Murao, N. 1021
Murray, M. B. 3219
Murray, T. D. 3331
Murrell, J. C. 3247
Murthy, A. B. 353
Myrick, R. H. 3835

Nadkarni, N. M. 1595
Nagamine, K. 2947
Nagao, I. 1931
Nagy, Z. 1317
Nair, S. K. 1729
Näslund, E. 665
Nasstrom, J. S. 4187

Nathaus, F. J. 499
Neale, D. 2467
Nedwell, D. B. 3239
Neeb, P. 1657
Neftel, A. 301, 499
Neininger, B. 1353, 2479
Nelson, P. F. 2685, 2693
Nemitz, E. 473
Nenes, A. 2531
Neubauer, K. R. 2521
Ngabe, B. 1849
Nichol, J. 2715
Nickus, U. 4041, 4053
Nicolaisen, F. M. 2825
Nielsen, K. E. 1075
Nielsen, T. 2601
Niki, H. 3457
Niskavaara, H. 2609
Nodop, K. 1257, 4089, 4095, 4109, 4139
Nordlund, G. 2913
Nørnberg, P. 461
Novo, A. 4053, 4061
Nowak, D. J. 2709
Nriagu, J. O. 929
Nychka, D. 2505
Nyeki, S. 3975

O' Doherty, S. 3689, 3703
Oertel, Jr. H. 3089
Ohta, S. 1021
Okada, K. 1555
Okita, T. 1419
Oliver, H. R. 3205
Olmez, I. 865
Oltmans, S. J. 159
Ondov, J. M. 1911, 3461
ÓNéill, D. H. 3265

Pace, J. C. 4187
Padro, J. 1365
Pagsberg, P. 711
Pain, B. F. 309
Paleczek, S. 3967
Paliatsos, A. G. 2203
Pandis, S. N. 2531
Pankow, J. F. 1493
Papayannis, A. 2161, 2193
Papen, H. 559
Pappa, A. 1087
Paramonov, S. 647
Park, J. 2745
Park, S. 1729
Patten, K. O. 107
Pearson, J. 533
Peeters, J. 3547
Pehkonen, S. O. 2543
Peltonen, Y. 3503
Penkett, S. A. 3339, 3353, 3647
Penn, A. 1049
Pepler, S. 855
Pérez, A. 3665
Pérez, R. 3415
Pérez-Rodriguez, J. L. 993
Persson, C. 4325
Peter, T. 3173
Petersen, G. 829
Petersen, S. O. 295
Peterson, D. L. 3629
Pfäffli, P. 3503
Philandras, C. M. 2203
Phillips, V. R. 285, 309
Pichlmayer, F. 4075
Pickup, R. 3247
Pielke, R. A. 1455, 1467
Pilegaard, K. 1167
Pilinis, C. 2531
Pilling, M. J. 1059, 2429
Pio, C. A. 683, 1979
Pirrone, N. 929
Plana, F. 719, 1963
Platt, U. 3731
Platz, J. 2601
Pleijel, K. 829
Poissant, L. 883
Pollier, B. 1817
Pollman, C. D. 909
Poppe, D. 693
Porter, P. S. 1525
Poulida, O. 3975, 3985, 4001
Poulsen, M. M. 507
Prestbc, E. 2649
Prestbo, E. M. 823
Pretel, J. 4089
Preunkert, S. 4021
Prévôt, A. S. H. 3381
Primerano, P. 225
Prodanova, M. 4367
Proksch, V. 3129
Pryor, S. C. 123, 345
Pudykiewicz, J. A. 3039, 4227
Puicercus, J. A. 719, 1963
Puxbaum, H. 193, 3557, 3923, 3925, 3941, 3953, 3967, 4011, 4031

Quattrochi, D. A. 19
Queralt, I. 179
Querol, X. 719, 1963
Quinn, T. L. 3461

Radonjic, Z. 1729
Ragnarson, P. 3897
Rambaldi, P. 2957
Ramos, M. M. 1979
Ramsdell Jr, J. V. 1663, 1679
Ranzieri, A. 2835
Rao, S. T. 1525, 2569, 2709
Rappenglück, B. 2103
Rasmussen, A. 4207
Rasmussen, K. R. 461
Rasmussen, R. A. 3371
Raven, J. A. 539
Rebers, A. 3445
Reddy, K. C. 1623
Reimann, C. 2609
Reinhard, M. 2649
Repapis, C. C. 2203
Restad, K. 3593
Richner, H. 1353
Ridd, M. K. 19
Rikkers, M. 3827
Rinne, J. 1825
Ritchie, D. A. 3247
Ritter, P. 2957
Robbins, J. A. 929
Robertson, L. 4219, 4325
Robertson, S. M. C. 3321
Rodhe, H. 647
Rodriguez Braña, M. A. 3027
Rodriguez-Rubio, P. 993
Roemer, M. G. M. 693
Romero, R. 2071
Roorda, J. M. 1397
Roorda-Knape, M. C. 1921
Rosenfeld, A. 95

Rossi, G. C. 4053, 4061
Rossmann, R. 929
Roth, B. 1555
Roth, N. 3139
Roubani-Kalantzopoulou, F. 1811
Rrindone, B. 3767
Rubino, F. M. 3569
Ruhnke, R. 693
Ruiz, C. R. 719
Ruppert, L. 1657
Russell, K. M. 1719, 2453
Ryaboshapko, A. 647
Ryall, D. B. 3689, 3703, 4265

Sabbioni, C. 215, 783
Sachetti, D. 1157
Sailor, D. J. 43
Salardino, D. H. 3001
Saltbones, J. 4277
Salthammer, T. 773, 3835
Sandhu, H. S. 673, 3835
Sandroni, S. 1257
Sanger, L. J. 3493
Sarkovich, M. 85
Satsangi, G. S. 3783
Sattler, B. 1911
Saunders, J. R. 3247
Saunders, S. M. 2429
Sausen, R. 2329, 3185
Saxena, P. 2649
Schaefer, D. 1595
Schäfer, K. 3067
Schäfer, L. 1947
Schaller, E. 1027
Schebeske, G. 1947
Scheel, H. E. 845
Schellander, H. 4041
Schemenauer, R. S. 2595
Schere, K. L. 1535
Schillawski, R. D. 3381
Schjoerring, J. K. 491, 507
Schlager, H. 1179, 3097
Schläpfer, K. 999
Schmidt, R. W. H. 1203
Schmit, J.-P. 1473
Schneiter, D. 4123
Schöner, W. 4031, 4075
Schroeder, W. H. 809
Schudlark, J. R. 1719
Schulz, M. 3445
Schumann, M. 365
Schumann, U. 2329, 3065, 3073, 3097
Schurath, U. 1203, 3129
Schütz, L. W. 1097
Schwikowski, M. 3953, 3975, 3985, 4001
Scott, K. I. 75
Scudlark, J. R. 2453
Seibert, P. 3941, 3953, 4075
Seigneur, C. 2649
Seika, M. 1881
Sen, Z. 3425
Sequeira, R. 133, 2865
Serça, D. 1581
Seuring, S. 145
Shankar, U. 2981
Sharan, M. 3481
Sharpe, R. R. 273, 3679
Shaw, W. J. 2887
Sheppard, L. J. 519, 3311
Shi, J. P. 2769
Shillito, D. E. 2737
Shim, S.-G. 3905
Short, J. L. 285
Shurpali, N. J. 1623
Siddiqui, T. A. 3775
Silibello, C. 2025
Simeonov, V. 193
Simmonds, P. G. 145, 3689, 3703
Simon, B. M. 3247
Simon, V. 1947
Simpson, D. 693
Simpson, J. R. 69, 75
Simpson, T. W. 3283
Singh, S. P. 3783
Singles, R.J. 393
Singleton, D. L. 2969
Skiba, U. 3219
Skiba, U. M. 3311
Skov, H. 2601
Slanina, J. 1485
Slemr, F. 845, 1203
Slemr, J. 2071
Smith, K. A. 3301
Smith, F. B. 2775
Smith, I. 2713
Soares, A. 533
Søegaard, K. 295
Sofiev, M. A. 373
Solomon, P. A. 2835
Sommer, R. 1
Sommer, S. G. 295
Sonnemann, G. 3157
Sørensen, J. H. 4195
Soreton-West, R. L. 453
Sparks, L. E. 231
Spicer, C. W. 2887
Spoelstra, H. 247
Spokes, L. 3445
Sprung, D. 1195
Srinivas, M. S. N. 1039
Srivastava, S. S. 3783
Staehelin, J. 999, 3381, 3985
Stahel, W. 999
Statharas, J. 2291
Statheropoulos, M. 1087
Steele, L. P. 3331
Stefan, S. 2931
Steil, B. 3185
Stephen, K. D. 3229, 3257
Steyn, D. G. 3457
Stichler, W. 4075
Stilp, TH. 3073
Stingele, A. 1257
Stockwell, W. R. 693
Stohl, A. 947, 2479, 4151, 4245
Storeton-West, R. L. 325, 453
Strand, A. 693
Strandberg, H. 3511, 3521
Straume, A. G. 4109
Streets, D. G. 1383
Stuhler, H. 3153
Su, H. 1383
Suarez, A. E. 1911
Sukhoruchkin, A. K. 2587
Summit, J. 1
Sun, Q. 3527, 3533
Suppan, P. 2071, 2089
Sutton, M. A. 269, 325, 339, 393, 453, 473, 565, 3283
Svanberg, P.-A. 1377, 1407
Svanberg, S. 3897
Svensson, G. 2239, 2269
Sweet, C. W. 1129
Sweevers, H. 733
Syrakov, D. 4367
Syri, S. 409

Taha, H. 2709
Tait, H. S. 3331
Tanaka, H. 1931
Tanaka, M. 2007
Tavazzani, M. 3569
Tejada, S. 2443
Ten Brink, H. M. 247
Tenberken, B. 1757
Ter Braak, C. J. F. 551
Thijsse, Th. R. 333
Thomas, K. L. 3229
Thomas, S. 2467
Thompson, D. 258
Thompson, L. 3331
Thomson, P. E. 3301
Thornton, C. A. 1903
Thornton, F. C. 1623
Thuillier, R. H. 2835
Thykier-Nielsen, S. 4167
Tichenor, B. A. 231
Tiley, C. 513
Tinarelli, G. 1157, 4157
Todhunter, P. E. 1587
Tokos, J. J. S. 823
Tomlin, A. S. 1059
Torfs, K. 967
Torres, L. 1947
Tsai, C.-J. 1605
Tscherwenka, W. 3941, 4011
Tschiersch, J. 983
Tuomenvirta, H. 2913
Tyson, P. D. 1511
Tzoumaka, P. 2313

Ueno, T. 2587
Uhde, E. 773
Ulbricht, M. 2173
Uliasz, M. 1455
Ulke, A. G. 1615
Ullerstig, A. 4325
Uno, I. 2007
Upton, M. 3247

Vainiotalo, S. 3503
Valente, A. A. 683
Vallack, H. W. 2737
Van Den Bergh, H. 2141, 2151, 2193
Van der Hoek, K. W. 315
Van der Weerden, T. J. 309
Van der Zee, S. C. 3717
Van Dobben, H. F. 551
Van Dop, H. 257
Van Elzakker, B. G. 317
Van Grieken, R. 967, 1631
Van Oss, R. 465
Van Vlier, P. H. N. 1921
Varvayanni, M. 1301, 2291
Vassiliadis, N. 1087
Veltkamp, T. 1485
Venkatram, A. 258, 1955, 3403
Verhagen, H. L. M. 333
Verta, M. 919
Vezin, B. 2957
Victoria Letelier, M. 3415
Vinod Kumar, A. 829
Viras, L. G. 2103
Virkkula, A. 1657
Viscardi, P. 2957
Vitovec, W. 4031
Vlasova, T. 919
Vogel, B. 693, 1323
Vogel, H. 693
Vögtlin, R. 1179, 1323
Volkamer, R. 3731
Voyatzaki, M. 595
Vukovich, F. M. 3881
Vyas, V. M. 2845
Vyras, L. 2089
Vyras, L. G. 2071

Wagenbach, D. 3923, 4021, 4075
Wahner, A. 2329
Wainwright, D. 2467
Wakamatsu, S. 2007
Walcek, C. J. 3863
Waldvogel, A. 3381
Wang, T. 159
Wathes, C. M. 285
Watson, A. 3229
Watson, J. G. 2835
Wayers, A. 333
Weber, R. O. 3639
Weeks, I. A. 2685, 2693
Weidauer, D. 2173
Weidinger, T. 1317
Weisweiler, W. 2879
Wells, M. 359
Wendum, D. 4297
Werner, R. 4031
West, J. J. 2531
Weston, K. J. 393
Wexler, A. S. 2521, 3527, 3533
Whelan, M. J. 3493
Whyatt, J. D. 401
Wieprecht, W. 3435
Wiesen, P. 2329, 2721
Williams, M. W. 3827
Wilson, E. J. 513
Winer, A. M. 53
Winiwarter, W. 4031
Winkler, R. 983
Winstead, E. L. 169
Winterhalter, R. 1657
Wirtz, K. 1657
Wisen, P. 2721
Wolf, A. 1947
Wolf, J. P. 2957
Wolff, E. W. 3669
Wolke, R. 1785
Wolkoff, P. 2659
Wotawa, G. 2479, 4245
Wu, C. C. 1911
Wuebbles, D. J. 107
Wunderli, S. 999
Wyers, G. P. 333, 441
Wyers, P. 465

Yadav, A. K. 3481
Yamagata, S. 1021
Yamazawa, H. 4343
Yang, Q. 2505
Ye, Y. 2685, 2693
Yin, Z.-H. 539
Yoshimura, K. 2939
Young, J. O. 1535
Yu, J. 2957

Zappia, G. 215, 783
Zellner, R. 3079
Zerefos, C. S. 595, 2193, 2209, 2223, 2313
Zezza, F. 967
Zhang, G.-Z. 1647
Zhang, L. 1365

Zimmermann, H. 1229, 1257
Zimmerman, P. 1581
Ziomas, I. 595, 2193, 2209, 2223
Ziomas, I. C. 2045, 2071, 2103, 2183, 2313
Zlatev, Z. 4167
Zuin, A. 545
Zurbenko, I. G. 2569
Zwaagstra, O. 1485

SUBJECT INDEX

PII: S1352–2310(98)00308–2

z-pinene 1657
1,3-butadiene 2685 2693
1-bromo-propane 107
4-oxopentanal 1893
6-methyl-5-hepten-2-one 1893
abatement costs 573
absorption 273
accelerator mass spectrometer 1485 2947
accidental release 1729 4167
acetaldehyde 1485
acetic acid 1765
acetone 1485 1893
acetone flux 2887
acid deposition 225 1039 1075 1397 3051 4031
acid equilibrium 3527 3533
acid precipitation 4041
acid rain 133 225 1039 2745 3239
acid surface 2721
acidification 409 573 581 1075
acoustic scattering 1499
adjoint tracer transport 3039
adsorbent 2497
advection 1323
advection algorithm 3863
advection-diffusion equation 3481 4227
aerodynamic gradient method 279
aerosol 169 215 359 767 909 983 1903 2141 2183 2193 2467 2521 2757 2793 2879 3011 3123 3219 3467 4001
aerosol acidic 1605
aerosol backscattering coefficient 2161
aerosol carbonaceous 1097
aerosol composition 179 1631 2803 3527 3533 3717 3905
aerosol constituents 2865
aerosol desert 239
aerosol dynamics model 2981
aerosol effects 283
aerosol externally mixed 2803
aerosol formation 345
aerosol inorganic 2531 2981
aerosol layer 1511
aerosol marine 1555 1711 1931 2521 3669
aerosol migration 2587
aerosol model 1691 1701 3527 3533
aerosol optical 1743
aerosol plumes 1511
aerosol scavenging 3975
aerosol secondary 2835 3381
aerosol secondary inorganic 345
aerosol secondary organic 1657
aerosol size distribution 1931 2017 2803 3527 3533
aerosol species 1419
aerosol urban 1911 1979 2957
aerosol water content 1021
Africa, intertropical 749
aged air masses 3339
agricultural emission 573
agriculture 285 295 301 309 315 3321
air conditioning 43 69 95
air quality 2173 2239 2269 3505 2637 2709 2745 2923
air quality assessment 1455
air quality impacts 1383
air quality modelling 1535 1785 2803 2899 2981 3805 3891
air quality monitoring 551
air traffic corridors 3123
air/sea fluxes 1719
aircraft 3089
aircraft emission 2329 3065 3067 3079 3105 3123 3129 3139 3145 3173 3185
aircraft exhaust 169 3067
aircraft measurement 1027 1203 1353 2071 2269 2479 3283 3381
air-surface exchange 1365
aldehydes 1647 3581
alkenes 3393
allergen 1777
alpine measurements 3925
ALPTRAC 3953 4011
ammonia 273 315 325 333 339 353 359 365 373 393 409 415 423 431 453 481 499 519 533 539 545 559 565 1111 3321 3557 3925 4011
ammonia deposition 525 269
ammonia emission 269 285 301 309 345 381 573
ammonia exchange 441 461 491 507
ammonia flux 2887
ammonia losses 295
ammonia network 317
ammonia policy 581
ammonia volatilization 279
ammonium 193 339 365 373 481 533 3557 4041
ammonium aerosol 345
ammonium nitrate 465
ancient crusts 2859
anions 3239
annular denuder 1419 3557
Antarctica 3665 3669
Antarctica, Ross Island 2899
anthropogenic acidity 133
anthropogenic emission 647
apoplast 491
arboriculture 1
arctic 919
Argentina, Buenos Aires City 1615
aromatic compounds 2103
aromatic hydrocarbons 3569
artificial intelligence 2627
Asia (SE) 2715
Asia 1397
Aspen 1825
asthma 1777
atacamite 3511 3521
atmospheric lifetimes 711
atmospheric stability 2731 3775
atmospheric transport patterns 1039
austral spring 3665
Australia 2817
Austria 193 3557
Austria, Sonnblick 3941 3967 4011
Austria, Vienna 2479
auto emission surrogates 2443
aviation 3065
background concentrations 145 4109
backpropagation 2627
bacteria 2491
balloon flights 4151
balloon techniques 3283
balloons 4139
Bangladesh, Dhaka 1991
base cation 1817
baseline monitoring 3689 3703
benzene 1811 1921 2693
benzene exposure 1135
beryllium^{7} 983
beryllium^{7} trend 2731
bi-directional exchange 441 499
bimodal 2017
bi-molecular reactions 3891

biochemical cycles 647
biogenic emission 1825 1893 1947
biogenic hydrocarbon 53 683 3457
biogeochemical cycling 855 895
bioindicator 533
biological monitoring 551
biomass burning 673
black crusts 215 967 2859
black smoke 1921 3717
Black Triangle 1027
boreal ecosystems 919
boreal forest 895
boundary layer 257 1179 1203 1353 1455 2055 2161 2899 4123 4343
boundary layer depth 1323
Brazil, Porto Alegre 3371
brochantite 3511 3521
bromine 1581
building damage 215 733 783 967
building effects 3845
building materials 95
building products 2659
building wake 203 1663 1679
buildings 665
bulk atmospheric deposition 1473
butanal 1485
calcium 193 4011 4041
Canada, Alberta 3835
Canada, British Columbia 3457
Canada, British Columbia, Lower Fraser Valley 2969
canonical correlation analysis 1087
canopy leaching 1817
canopy resistance 453
canopy structure 3493
carbon 14 isotope 1485
carbon 4075
carbon balance 3265
carbon bond mechanism 1059
carbon compounds 215
carbon cycle 3247
carbon dioxide 1111 3229 3265 3321 3331 3679 3703
carbon monoxide 145 1111 2669 2923 3331 3339 3569
carbon tetrachloride 3689
carbon, black 1097 1979
carbon, elemental 3805
carbon, organic 1097 3805
carbon, soot 2649
carbon-13 2669 2947
carbon-14 2669 2947
carbonaceous species 3905
carbonyl compounds 1485
carbonyls 999 3393
carboxylic acids 2705
catalysis 797
cattle 295
cattle buildings 285
cattle slurry 301
cementitious encrustations 967
ceramic crust 993
chamber studies 2443
chamber test 783 3581
chambers 773
chemical heating rate 3157
chemical mechanism 2429
chemiluminescence 1435
chemiluminescent detection 1445
chemion measurements 3073
chemistry transport model 1785 2757
Chile, Santiago 3415
China 2745
China, Jiangsu province 1383
chlordane 1849
chloride 193 4011 4041
chloride aerosol 3557
chloride determination 2879
chlorine radical 1711
chlorobromomethane 107
chlorofluorocarbon 1571
chlorofluorocarbon replacement 2825
chromatography 1647
chromium 797
cis-Pinic acid 1657
climate change 3293
climate forcing 2531 2757
climate models 2873
cloud 359 2793 4001
cloud chemistry 359 3435
cloud condensation nuclei 1931 3079 3975
cloud droplets, supercooled 3967 4011
cloud drops 1757
cloud forest 1595
cloud processes 829
cloud water 1595
cluster analysis 1525 2505
coal 2713
coal-fired power plants 719
coastal atmosphere 1555
coastal deserts 2595
coating material 231
co-deposition 1075
cold front 3339
combustion mechanism 1059
combustion products 3067
compensation point 273 415 441 453 473 491 499 507
complex terrain 203 1141 1157 1179 1229 1241 1257 1301 1323 2209 2223 2291 3629
compliance 1129
computer speed 791
concentration statistics 611 629
condensation 1691 1701
condensation nuclei counters 169
conditional sampling method 3265
conductivity 3445
Conifer Forest 423
conifer trees 545
coniferous forest 441 3321
conifers 683
conjugated dienes 2769
conservative method 3027
conserved scalars 611
contrail 169 3097 3123 3139 3145
contrail formation 3079
convective boundary layer 1323
convective conditions 1955
copper patina compounds 3511 3521
corrosion 3511 3521
Costa Rica 1595
critical levels 325
critical load 325 401 519 565
crop plants 1765
cross-frontier transport 1027
cross-wind variance 115
cumulative semivariogram technique 3425
cuprite 3511 3521
dark decay 247
data resolution 4187
degree day 43
deliquescence 2521
delta-Eddington approximation 2757
Denmark 423 461
denuder 365 1605
deposition 353 373 409 461 481 647 809 883 919 1581 1719 1799
deposition fluxes 3011
deposition velocity 1167 1317 1811 3557
deposition, bulk 909

deposition, dry 415 431 441 453 473 519 873 895 1195 1273 1317 1365 1817 2595 2887 3467
deposition, wet 133 559 829 909 2913 3051 3557 3953
dial instrument 2151
dibenzofurans 1799
dibenzo-*p*-dioxins 1799
dicarboxylic acids 1657
dichotomous sampler 1605
diesel exhaust 2497
diesel soot 1911
Differential Absorption LIDAR (DIAL) 2423 3731
Differential Optical Absorption Spectroscopy (DOAS) 3731
diffusion 3845 4157
diffusion experiments 3481
diffusion models 1663
diffusion parameters 3639 4195 4343
diffusion theory 3611
diffusion tube 333 3587
diffusion tube error 1377
diffusive sampling 1377
diffusivity 1111
dimethyl sulphide (DMS) 823 3593
dinitrogen pentoxide 1711
dinitrogen tetroxide 3129
dispersion 1257 1455 1955 3097 3679 4167 4227 4265 4351
dispersion coefficients 3775
dispersion model 115 1729 1881 3039 3639 4089 4195 4245 4277 4307 4343 4359
dispersion parameterization 257
dispersion parameters 1679
dispersion process 1157
dispersion, long-range 4157
Doppler sodar performance 1499
drop size 767
drought sensitivity 545
dung 295
dust deposition 2737
dust production 1587
dust storms 1587
dustfall standards 2737
dusts, rural 2817
dynamic flux chamber 873
dynamic model 3157
eddy correlation 1167 1195 2887 3275
eddy covariance 3275
eddy diffusion coefficient 4195
eddy diffusivity 1317
eddy-correlation method 1273
electropolished canisters 1647
electrostatic precipitation 1757
emergency response 4089 4343 4359 4367
emergency response model 4325 4335
emission 273 353 473 845 895 1571 3679
emission control 2313
emission factors 315 999 2713
emission inventory 123 2969
emission patterns 3435
emission testing 2659
energy demand 43
engine exhaust 3073
engine exhaust emission 3065
England, SE 1039
environmental archaeometry 2859
environmental impacts 269
Erzgebirge Mountains 1027
Etesian winds 2055
Etesians 2209
ETEX, (European Tracer Experiment) 4089 4095 4123 4139 4151 4167 4187 4207 4219 4245 4265 4277 4285 4297 4307 4325 4335 4343 4351 4359 4367
ethanol 3371
ethers 2825
Eulerian grid modelling 1785
Eulerian model 829 2025 4167 4219 4297 4335
Europe 315
Europe, Alps 1241 1301 3925 3941 3953 3967 3985 4001 4011 4031 4041 4053 4061 4075
European emissions 3689
European scientific assessment 2329
European Union 1571
EUROTRACK 1167
eutrophication 573 2453
evaporation rate 3145
evaporative emissions 2693
evasion 883
exhaust analysis 3067
exhaust emissions 2693
exhaust gases 3089 3105
exhaust particles 3145
exhaust photochemistry 2443
exhaust plumes 3097
exposure indices 3001
exposure time 2923
fetch 1167
filter pack sampling 4021
finite element model 665
Finland 919 2609
firn 4021
flame ionization 1435
FLEC 773 2659
floor wax 231
flow dynamics 2209
fluorinated ethers 711
fluorocarbons 1571
flux chamber 883
flux-based characteristics 3027
fly-ash 2859
fog drops 1757
fog water chemistry 2595
Fokker-Planck equation 4297
foliar injury 3001
foliar uptake 513
forest 465 519 525 559 1799 3557
forest biogeochemistry 179
forest decline 513
forest fire 673
forests, pine 683
formaldehyde 1485
formic acid 1765 2887
fossil fuel risk 2731
fractal 2587
free radical 2769
freezing 3139
freezing nuclei 3145
Frisbee deposition gauge 2737
FTIR emission spectroscopy 3067
fuel additions 3503
fuel additive 3371
fuel cycle 2713
gas exchange 3229
gas-aerosol equilibrium 1427
gaseous binary diffusion 1111
gas-particle partitioning 1493
gas-phase chemistry 693
gas-phase reaction 823
gas-to-particle conversion 465 2835 3381
Gaussian dispersion 1881
Gaussian model 4195
Gaussian plume 3845
Gaussian puff model 4297
gear code 791
generalized additive models 2505
geochemical cycling 823
geranyl acetone 1893
German unification 3435
Germany, Mainz 1097

Germany, Wank Mountains 845
glacier 4021 4031
global model 791 3593
global model, 2D 3173
global model, 3D 3185
global pollution 807
global warming 2947
global warming potentials 2825
glutamine synthetase 533
gold and silver mining 929
gradient method 1317
grass 1365 1623
grassland 301
gravity waves 3105
Greece, Athens 1087 2043 2045 2071 2089 2123 2161 2183 2193 2209 2223 2239 2269 2313
Greece, Attiki Peninsula 2291
greenhouse effect 3301
greenhouse gases 2713 3703
Greenland 4021
grid turbulence 611
ground-level concentrations 1955
guideline levels 2737
guttalgor 767
gypsum 2595
Hadley circulation 159
halocarbon 3689
hazardous source 2775
haze episodes 2715
haze layers 1511
health 1777 1911 1921 3795
heat island 43 53 85 95
Heathland 461 507 1075
heavy metals 3011
hemispheric model 373
Henry's law 3129
herbicide 3059
Herzberg bands 3731
heterogeneous chemistry 2721
heterogeneous nucleation 3027
heterogeneous reactions 1893
hexachlorobenzene 1799
high concentration 2939
historical air pollution 2859
Hong Kong 133 159 2559 2865
horizontal diffusivity 4157
horizontal gradients 423
human exposure 3795
humidity effect 2521
Hungary 339
hydrocarbon analyzer 1435
hydrocarbon emission 75
hydrocarbon pollutants 2685
hydrocarbon ratios 2103
hydrocarbon reactivity 2429
hydrocarbons 999
hydrocarbons, light 1825
hydrochloric acid 3557
hydrochlorofluorocarbon(HCFC) 1571 3703
hydrofluorocarbon(HFC) 1571 3703
hydrofluoroethers 3767
hydrogen 3331
hydrogen peroxide 693 823
hydroperoxyl radicals 2543
hydroxyl radical 693 801 2543 3547 3767
hydroxyl reactions 711
hypersonic flight 3153
ice core 3669 4021
ice crystal 3139 3145
ice nucleation 3145
impactor 983
India 3783
indoor air 231 595 773 1811 2659 3581
infrared absorption coefficients 2825
infrared active gases 2731
inhalable particulate 3835
interannual variability 123
inverse modelling 3039
inversion method 239
ion chromatography 783
ion deposition 3493
ionic composition 133
Ireland, Mace Head 145 3689 3703
iridium(III) 1911
isoprene 53 1825 1947 3457
isotope fractionation 2669
isotope measurement 273
isotope ratios 3331
isotope, stable 4075
isotopic analysis 2947
Italy, Milan 2025
Japan, Nara 1419
Japan, Osaka 2007
Japan, Sapporo 1021
jet exhaust ions 3073
jet regime 3079
K-diffusion 4335
kerbside pollution levels 1049
kerosene-burner exhaust 3145
kinematic 4227
kinetic equations 1535
kinetic isotope effect 2669
kinetic model 2543
kinetics 797 3891
Kolmogorov constant 3611
Korea 2745
Korea, Cheju Island 1427 3905
Kraft pulp mills 659
kriging 1865
Lagrangian dispersion model 3703
Lagrangian model 665 2479 4167 4187 4245 4265 4343
Lagrangian particle model 1157 4157
Lagrangian prediction 1283
Lagrangian stochastic model 203 1955
Lagrangian turbulence 4195
lake sediment 919 1011
landfill 1011 3679
landscape scale 3283
land-sea-breeze circulation 2089
laser ablation mass spectrometry 2521
laser remote sensing 2173
latitudinal gradient 3331
lead^{210} 983
lead 767 3967
leaf conductance 1765
leaf temperature 35
leaves 539
Lettau relationship 1857
lichens 551
Lidar 2141 2151 2161 2173 2193 2423 2957 3123 3897
light extinction 2865
livestock 573
livestock sector 581
local sources 2939
long-distant sources 2939
low ozone events 3665
low persistence 253
low wind dispersion 3481
luminol 1445
magnesium 193 4011
Malaysia 2715
manure application 301
marble 967
marine background concentrations 3905
marine boundary layer 3647
marine emissions 381

marine rain sampling 3445
mass balance method 279 3679
mass spectrometry 1647
material damage 783
mechanism reduction 1059
MEDCAPHOT-TRACE experiment 2043 2045 2055
Mediterranean 1631
Mediterranean Basin 719
meltwater 2609
mercury 807 809 823 845 855 865 883 909 929
mercury accumulation 929
mercury adsorption 2649
mercury chemistry 2543
mercury flux 873 919 3897
mercury speciation 2543
mercury species 829
mesoscale 1229
mesoscale circulation 1241
mesoscale dispersion 1301
mesoscale eddy 4207
mesoscale flows 1257
mesoscale model 1283 1455 2239 2269 4167
mesoscale transport 409
mesoscale wind systems 2291
mesosphere 3157
meteorological input 4195 4277
meteorological input fields 4167
meteorological parameters 2865
meteorological variability 1455
meteorology 2505
methane 559 1111 2947 3207 3239 3265 3275 3321 3331 3703
methane cycling 3247
methane emission 3257 3283 3293
methane emission rates 3219
methane fluxes 3679
methanogenesis 3219 3229 3257
methanogens 3247
methanotrophs 3247
methyl bromide 1581
methyl butenol 3547
methyl chloroform 3689
methyl iodide 823
methyl tertiary-butyl ether (MTBE) 3503 3371
microbiological processes 3247
micrometeorological studies 895
micrometeorology 273 441 473 883 3265 3275
microphysical parameterization 2931
microprecipitation 2879
Mie theory 2531
milk protein 295
millennial review 947
mine 3897
mittency 2775
mixed layer 1179 2491
mixed-layer height 4123
mixing 3097
mixing height 1615 4157 4167 4195
model evaluation 4307
model validation 4325 4367
molecular diffusivities 1111
Monin-Obukhov length 3775
monitoring network 317
monocyclic aromatic hydrocarbons 3731
monoterpenes 53 683 1825 3457
monsoon 3783
monsoon climate 2559
Montane forest 1595
Monte Carlo particle model 4297
Monte Carlo uncertainty analysis 3619
Monte-Carlo hypothesis testing 1865
Montreal protocol 3689
moorland 453
mortars 783
mortars, ancient 215
motorways 1921
mountain measurements 3925 3941 3953 3967 3975 3985 4001 4011 4053 4061 4075
multilayer perception 2627
multi-pollutant modelling 401
museums 1811
NADP/NTN 3747
Namibia, Namib Desert 2595
NAPD 3827
Netherlands 317 481 525 551 581 3717
network integration 3331
neural network 2627 3415
neutron activation analysis 865
nickel smelting 2609
night-time chemistry 2769
nitrate 193 647 719 1631 2939 3239 3557 4001 4011
nitrate partitioning 1427
nitrate radical 3547
nitrate reductase 533
nitrates, organic 2601
nitric acid 465 1419 3557 3925 4011
nitric oxide 1111 1317 1365 1623 3153
nitrogen (N) deposition 3827
nitrogen 401 573 1075 1111 4075
nitrogen balance 273
nitrogen budgets 381
nitrogen cycling 1903
nitrogen deposition 513 565 3311
nitrogen dioxide 1111 1167 1365 1377 1407 1445 1811 1991 2173 2721 2769 2923 3129 3587
nitrogen excretion 295
nitrogen fertilisation 3301
nitrogen fertilizer 1623 3311
nitrogen input 559
nitrogen isotope 513 2453
nitrogen loading 2453
nitrogen nutrition 491
nitrogen oxides 409 595 629 2429 2769 3173 3339 3353 3557
nitrogen protocol 565
nitrogen recovery 279
nitrogen transfer matrices 409
nitrogen, dissolved organic 2453
nitrogen, organic 1719 1903
nitrogen, reduced 373 381
nitrous acid 247 1419 2721
nitrous oxide 559 1111 1623 3265 3301 3321 3331 3703
nitrous oxide emissions 3311
nitryl chloride 1711
nocturnal inversion layer 1195
nonlinear dynamics 1839
non-methane hydrocarbons (NMHC) 2007 2103 3265 3339 3457
North America 919
North America, Great Lakes 929
North Sea 3011
Norway 2609
nuclear accident 2587 4277 4325
nuclear fuel 1729
nuclear test monitoring 3039
nucleation 1691 1701 3079 4011
nuisance 2737
numerical advection 3863
numerical diffusion 3863
numerical integration 1535
numerical method 1785
numerical model 3027
numerical techniques 1535
nutrient inputs 179
oak 1075 1947
obstacle arrays 1857
ocean sink 3331
octanol/air partition coefficient 1493

oil fly ash 225
opacimeter calibration 659
optical depth 3123
optical particle counter 2017
optical properties 1743
ordinary differential equations 791
organic acids 533 1765 1931
organic compounds 2429
organic exhaust emission 999
organic matter 2817
orography 1179 1323
outgassing 359
oxidation 797
oxygen 1111
oxygen interference 3731
oxygen-18 2669
ozone 145 159 545 595 673 693 823 883 1111 1167 1229 1317 1365 1839 2025 2045 2123 2141 2173 2193 2313 2429 2443 2479 2543 2853 2845 3173 3185 3353 3381 3393 3403 3547 3703
ozone column 159
ozone depletion 1571
ozone depletion potentials 107
ozone destruction 3647
ozone exposure 3001
ozone fluxes 1273 2151
ozone forecasting 2845
ozone formation 1059
ozone forming potential 53
ozone hole 3665
ozone photochemistry 3647
ozone prediction 2505 2637
ozone prediction models 3415
ozone production 2089 3173
ozone production rate 1353
ozone profile, vertical 1195
ozone reactions 629
ozone sensitivity 2969
ozone sensor 1195
ozone transport 1525
ozone trends 123 2569
ozone, mountains 3629
ozone, surface 3881
ozone-alkene cyclohexane experiments 3393
ozonesonde data 2569
ozonesondes 159
ozonolysis 1657 1893
Pacific Ocean 1931
paint 231 3581
paleolimnology 919
particle 1743 1921 1963
particle condensation growth 3027
particle formation 3079
particle model 4277
particle size distribution 2467 2981
particle size parameters 239
particle trajectory 203
particle, coarse 1427
particle, fine 1021 1129 2017 3805
particle, ultrafine 2467
particle-in-cell technique 665
particulate air pollution 3717
particulate chemical composition 3835
particulate emissions 719
particulate matter 1129 2649 2737 2981
particulate monitoring 3795
particulate organic nitrates 2601
particulate, nitrate 1427
partitioning coefficients 1493
passive flux sampler 461
passive sampler 333 1377 3587 3629
Patinas 967
peat 3219 3229 3239 3247 3257 3265 3275
Peatland 3207
perfluorocarbon tracers 4089 4139
perfluorocarbons 4095 4109
peroxides 3647
peroxy radicals 3353 3647
peroxyacyl nitrates (PANs) 1203 1445 2089
peroxypropionyl nitrate (PPN) 1203
personal monitoring 1911
pesticides, organochlorine 1849
petrol 2685
phase partitioning 365
phenol 3731
photochemical grid model 2025 3619
photochemical mechanism 693 1535 1785
photochemical model 2443 2479 2969 3403
photochemical oxidants 1203
photochemical ozone creation potentials 2429
photochemical pollution 2045 2089 2123 2313
photochemical reaction 2835
photochemical smog 673 1353 2071 2103 2141
photochemical steady state 3353
photochemical tracers 2043
photochemistry 791 2239 2269
photooxidants 3381
photooxidation processes 2721
photosmog 3381
photosynthesis 533
physiological responses 533
pigments 993
pigs 3321
pine tree 3001
plant exchange 273
plant leaves 533
plant-microbe interactions 3229
plume chemistry (nonlinear) 611 629
plume dispersion 611 4335
plume growth 4343
plume intermittency 2423
plume modelling 629
plume spread 3639
plume structure 1511
plumes 2775
PM_{10} 1605 2017 3569 3717
$PM_{2.5}$ 1129 3717 3905
polar stratospheric clouds 3173
polarization ratio 3139
pollen 1777
pollen antigen 1777
pollutant dispersion 665
pollutant transport 2089
pollutant trends 1865
pollution episodes 2769
pollution event 3339
pollution surveys 1049
polychlorinated biphenyls (PCB) 1011 1799
polychrome analysis 993
polycyclic aromatic hydrocarbons (PAHs) 999 1799 2497
Portugal, Oporto 1979
potassium 193 4011
poultry litter 1623
power station 1963
Prairie Grass experiment 1955
precipitation 767 1719 2913
precipitation chemistry 749 1595 2453 3435 3445 3749 3783
precipitation chemistry trend 193
precipitation events 1039
precipitation scavenging 133 2931
precipitation, bulk 1075
precursor emissions 123
precursor transport 1353
precursors 2835
prediction accuracy 1839
pre-industrial atmospheric environment 2859

primary production 2453
primitive equation model 3113
principal component analysis 1087
propanal 1485
puff dispersion model 2899
radiation model 2757
radiative forcing 2531 2757 2873
radicals 3647
radiocarbon(^{14}C) 1485
radionuclides 983 2587
radon progeny 983
rain samples 3051
rain water 133 1903 3445 3783
raindrop 767
rainfall 909
rainfall chemistry 1595
rate constant 3767
reactant segregation 3891
receptor model 865
recirculation 1511
red rains 179
redox 883
redox reaction 2543
reentry vehicles 3153
regional balances 647
regional budgets 1353
regional model 2757
regression model 2637
relative humidity 2659 3079 3467
remediation 1011
residence time 983
residual layer 2491
resin tapping 683
resistance models 473
respiratory irritant 1911
resuspension 2587
rice paddies 3293
Richardson number 3775
rime 4011
rimed mass fraction 3985
risk 2775
Rossby numbers 3113
roughness length 1857
runoff water 733
rural watersheds 1473
Russia 919
Russia, Kola Peninsula 2609
Saharan dust 179
sample preparation 1485
sampling artifact 1605
sandstone, dolomitic 733
satellite image 3123
SCAQS measurement data 3533
scattering coefficient 1743 2793
scavenging 2913 3975 3985 4001 4011
scavenging efficiency 2793 3967
Scotland 325 3331
sea breeze 2055 2071 2173 2183 2209 2223 2291
sea salt 1711 3445 3669
sea salt particles 1555
sea surface 431
sea water 431
seasonal cycles 145
sediment 1011
sedimentary records 929
selenium 2793
semivolatile compounds 2497
semi-volatile organic compounds, SOCs 1493
SEM-microscopy 2957
sensitivity tests 4367
sesquiterpenes 1893
shade tree program 85
shade trees 95
shear lines 3113
Shetland Isles 3331
shock waves 3153
sigma schemes 3639
silicated microspherules 2859
silver nitrate 2879
single particle analysis 2521 2879
siting considerations 1039
size distribution 983
slope winds 1323
slurry spreading 279
smog 2969
smog chamber 247
smoke haze 2715
SMVGEAR II 791
snow 4001 4011
snow chemistry 3985 4061
snow composition 2609
snow depth 3827
snow height changes 4021
snow pack 4041 4053
snow pits 4031
snowpack samples 2609
SOAPEX experiment 3647
SODAR 1499 4123
sodium 193 4011 4041
sodium chloride 3521
soil 507 873 3301 3311
soil sink 1581
soil surface 499
soil temperature 3275
soiling 1979
solar UV-B radiation 2193 2203
solar-reflective surfaces 95
solubility 767
sonic anemometer 4123
soot 1407 2957
source apportionment 865 1979
source contributions 2803
source function estimate 4219
source height 415
source parameters 3039
source-receptor relationships 1397
South Africa 1511
South America 3665
Soviet Union 647
spacecraft 3065 3153
Spain, Almaden District 3897
spallation products 2731
spatiotemporal analysis 2845
species age 3403
spore 1777
spot test 2879
spruce 3493
spruce stands 1817
squalene 1893
stability classification 3775
stable conditions 3481
stable polar environment 2899
stack gases 659
statistical methodology 4307
statistical modelling 2627
statistics, non-parametric 2569
statues 993
stiff ODE solution 1785
stiff ODEs 1535
stochastic models 2845 4157
stochastic particle model 665
stochastic variation 2913
stomata 3219
stomatal conductance 35 491
stone monuments 2859
stones 783

stratosphere 3665
streamwise diffusion 1955
street canyon 1049 3795
stress tolerance 525
strong acidity 225
sublimation 3139
subregional ozone variations 3881
subsidence 3339
sulphate 193 647 719 783 1631 2531 2745 2793 2913 2939 3239 3557 3593 3717 3967 4001 4011 4041
sulphate aerosol 2757 2873
sulphate aerosol dynamics 1691 1701
sulphate deposition 1865
sulphate-nitrate-ammonium deposition 3051
sulphite 783
sulphur 215 797 4075
sulphur deposition 1397
sulphur dioxide 325 519 551 999 1111 1317 1377 1383 1407 1991 2745 3511 3521 3557 3587 3593 3925 3941 4011
sulphur dioxide transport 1027
sulphuric acid 3073 3079
sulphuric acid films 3129
sulphuric dioxide 3129
sulphur-transport model 3593
supercooled clouds 3967
supercooled drops 3145
surface exchange processes 895
surface fluxes 1365
surface layer 1955 3639
surface resistance 415
surface roughness 415 1857
surface-atmosphere exchange 431 473
Sweden 895 919 1407
Switzerland 3381
Switzerland, Gubrist Tunnel 999
Switzerland, Jungfraujoch 3975 3985 4001
synoptic classification 2505
tandem mass spectrometer 2887
temperature 3079 3207 3219 3301
terpene 1647 1657 1947 3511 3521
tether balloon 2055
throughfall 519 1075 1817 3493
TIGER program 3205
time series 983 2569 3415
time trends 193
toluene 1811 2693
Tower Building 3569
toxaphene 1849
toxicity 3059
trace elements 1473 3467
trace gas exchange 3265 3979
trace gas fluxes 2887
trace gases 3129 3331
trace metals 873 883 895
tracer 4351
tracer campaign 1141
tracer experiment 1157 1257 1283 4095 4123 4151 4219 4245 4265 4343 4367
tracer gas 285
tracer gas experiment 4195 4207
tracer mixing 4227
tracer releases 1257 4109
tracer transport 4139
tracer transport model 4285
TRACK 1229 1273 1317
traffic 999 1921
trajectories 947 3953 4139 4151 4245
trajectories, back 179
trajectory analysis 1039 1525
trajectory models 947
trajectory statistics 3941
TRANSALP 1141 1157
transboundary fluxes 381
transition metals 797
transpiration 35 1765
transport 273
transport model 1865 4167 4277 4297 4351
transport processes 4227
transport, long-range 373 381 393 947 1397 1455 1511 1525 1931 2745 2775 3039 3339 3703 3941 4095 4109 4157 4187 4207 4219 4265 4285 4307 4325 4359
tree growth 525
tree planting 69
tree planting program 53
tree shade 69
tree-planting 1
trees 1765 2709
trees, artificial 1817
trend 845 1407
trend analysis 193
trends and biases 2569
trichloroacetic acid 3059
tropical atmosphere 3051
tropics 1595
tropopause regime 3097
troposphere, upper 3113
tropospheric chemical mechanism CBM-EX 1059
TSP 3905
tunnel study 999
turbulence 1679 3775
turbulent dispersion 3105
turbulent flow 665
turbulent fluxes 1273
turbulent mixing 611 629
Turkey, Istanbul 3425
U.K. 309 855
U.K., London 1881
U.K., Norfolk 3339
U.S.A, NC, Mt. Mitchell, NC 353
U.S.A., Cascade mountains 3629
U.S.A., Chesapeake Bay 2453
U.S.A., Colorado 3827
U.S.A., Florida 909
U.S.A., Illinois 1129
U.S.A., North Dakota, Red River Valley 1587
U.S.A., San Francisco 1135
Ukraine, Chernobyl 2587 4325
uranium haxafluoride 1729
urban air 1407
urban air pollution 2071
urban air quality 1839 1881 2559 3371
urban air quality network 1407
urban atmosphere 2103 2183 2467 2923 2957 3569
urban climate 85
urban climatology 1615
urban forest 1 7 43 69 75 85 2709
urban monitoring 1499
urban particulate 2803
urban plume 2479
urban pollution 1039 1377 1991 2025 2203 3812
urban precipitation 133
urban trees 35 53
urban vegetation 19
urea 1903
urea applications 1623
urine 295 415
UV spectral irradiance 2193
UV spectroscopic (DOAS) measurements 3731
UV-B modification 2203
UV-B radiation 2203
valley breeze 1141 1241
valley wind 1301
vanadium 797
variational data assimilation 4219
varnish 231
vector machines 791

vegetation 43 481 3457
vegetation damage 3001
vegetation surfaces 1893
vehicle emission 999 1911 1921 2443 2467 2685 2693 3371 3503
Venezuela 3051
vertical concentration profiles 3795
vertical dispersion 257
vertical exchange 1353
vertical gradient 3569
vertical mixing 1179
vertical profiles 1743
visibility 345 2865
VOC emission testing 773
volatile biogenic hydrocarbons 1947
volatile organic compound 231
volatile organic compounds (VOCs) 1407 1647 1765 2659 3371 3457
vortex filament method 3089
wake vortex structures 3089
wall effects 247
water content 3301
water resources 2595
water table 3219 3275
water vapors 1111
watertable 3207
weather map 4123
weathering 733 967
wet removal 2931
wetland 3219 3275 3239 3293
wheat 473
wheat field 499 1167
white mansfield 733
willow 1825
wind 253
wind artefact 1377
wind components, standard deviation 3639
wind field 2559 4157
wind flow 1141
wind flow modelling 7
wind meander 115
wind measurement 1499
wind spectra 115
wind speed 415
wind tunnel 295 3845
wind velocities 2151
wind, light 3481
wind-tunnel 1857
wind-vane flux sampler 461
Winter meteorology 3339
wood debris 2859
wood stain 231
woodlands 3311
work of art 1811
xylenes 2693

FROM ELSEVIER SCIENCE...
SCIENCE PUBLISHER TO THE WORLD

CONTENTS DIRECT

A FREE alerting service by E-mail for Elsevier Science journals

ContentsDirect allows you unrivalled access to the Tables of Contents pages of Elsevier Science journals in the following subject areas:

- Chemistry and Chemical Engineering
- Clinical Medicine
- Computer Science
- Earth and Planetary Sciences
- Economics, Business and Management Science
- Engineering, Energy and Technology
- Environmental Science and Technology
- Life Sciences
- Materials Science
- Mathematics
- Physics and Astronomy
- Social Sciences
- Multidiscipline

What does ContentsDirect provide?

- Journal title
- Volume and issue number
- Title of paper
- Names of authors
- Page details
- Anticipated publication date
- News and offers

Why register to ContentsDirect?

- Provides via E-mail advance notice of forthcoming papers, allowing you to reserve the issue at your library.
- Provides an invaluable information resource to scientists and researchers requiring the very latest information on soon-to-be published papers.
- Keeps you at the forefront of current research.
- Enables you to create a personal archive of key journal contents in your field of interest.

How to register for ContentsDirect:

- The quickest way to register for **ContentsDirect** is via Elsevier Science home page on the world wide web.
- Registration is simple and the selection of titles is provided by access to drop down menus of all subject classifications plus a complete listing of all titles available.
- If you wish to select new titles or amend your existing selection - simply re-visit the web site and personally make your changes.

ContentsDirect

Register now!

ContentsDirect

www.elsevier.com/locate/ContentsDirect
www.elsevier.nl/locate/ContentsDirect
www.elsevier.co.jp/locate/ContentsDirect

NB If you can't access the web - please note that you can still register by sending an E-mail to **cdsubs@elsevier.co.uk**

8Z-MPD/2

You Benefit With Disk Submission

Elsevier Science encourages the submission of articles on disk. We want Authors to provide us with their final manuscripts directly from their computer or word processing systems, without the need to follow complicated instructions. If you submit electronic manuscripts, you will notice the benefits:

- **A speedier publication process**
- **A clearer set of proofs, with fewer errors**

  Providing electronic manuscripts will improve the delivery of proofs - delivery will be faster and more reliable. Also, without needing to rekey the text the possibility of introducing errors will be avoided
- **Inclusion in an electronic archive**

  Elsevier Science is committed to developing and maintaining electronic archives for all of its journals. This will provide the flexibility to take advantage of electronic media to disseminate the information published in our journals, including your article.

There are some basic points to be kept in mind and we do have certain preferences. However, with Elsevier's expertise and facilities it does not really matter on which computer or wordprocessing system your manuscript has been prepared.

Basic Points to Help Us

Delivery of Electronic Files
Disks must be clearly marked with the following information:

- **Operating system**
- **Disk format (e.g.DS/DD)**
- **Word Processor used, including version number (users of see later)**
- **Authors' names**
- **Short title of article**

Three printed copies of the final version of the manuscript should be submitted with the disk to the Journal Editor.
In the event of differences between disk and hardcopy, the hardcopy will be considered as the definitive version.

Preparing Electronic Text Files

Please follow the general instructions on style and arrangement and, inparticular, the reference style as given in Notes for Authors for the book or journal concerned. If you are contributing to a multi-author work, please consult the publisher or earlier volume for style conventions with respect to headings, reference citation, etc.

LaTeX/TeX

Authors wishing to submit their article as a LaTeX/TeX file should note the following:
Authors should ideally use the "Article" style or the Elsevier LaTeX package which is available via anonymous FTP from CTAN centres.
(Further details on TeX can be obtained from Martin Key or Sebastian Rahtz)

Host names:	**CTAN directory:**
ftp.dante.de	/tex-archive/macros/latex/contrib/supported/elsevier
ftp.tex.ac.uk	/tex-archive/macros/latex/contrib/supported/elsevier
ftp.shsu.edu	/tex-archive/macros/latex/contrib/supported/elsevier

Authors should not add their own macros

Preparing Electronic Graphic Files

Illustrations should be produced in the Macintosh environment if possible using the following software packages:

Adobe Illustrator, Aldus Freehand, Cricket Graph, Macdraw, Chemdraw, Corel Draw for PC

However we will accept any of the popular drawing programs for the Macintosh and PC.
Artwork should be drawn for finished size using a Times or Helvetica typeface at a final size of 8pt type with appropriate lineweights.
Please indicate format, operating system, program and version number of the software used. If possible also print a directory of filenames.
Scanned artwork should be saved to Tiff format for both line and halftone and scanned at a suggested setting of 400 dpi for half-tones and 1000 dpi for linework. If it is necessary to compress the scans please indicate the software used. It is essential that a hard copy print of the scans be included. Illustrations should be logically named and saved as individual files to 3.5" disk or a SyQuest cartridge 44Mbyte or 88Mbyte. If 3.5" disks are not available to you, 5.25" disks are acceptable. Please send a laser print of the artwork with the electronic file.
When submitting electronic colour images please indicate the file format and program used (including compression software). Include a 4 colour machine or cromalin proof and check that all the separations (if provided) are colour identified.

If you require any further information please contact the following:

Elsevier Science Ltd
The Boulevard
Langford Lane
Kidlington
Oxford
OX5 1GB
UK

Martin Key/Sebastian Rahtz (Text)
Tel: 44 1865 843550
Fax: 44 1865 843905
Email: m.key@elsevier.co.uk
s.rahtz@elsevier.co.uk

Phil Halsey (Graphics)
Tel: 44 1865 843305
Fax: 44 1865 843921
Email:p.halsey@elsevier.co.uk.

Elsevier Science Inc
655 Avenue of the Americas
New York
NY 10010-5107
USA

Tom Lewis Flood
(Text/Graphics)
Tel: 212 633-3855
Fax: 212 633-3658
Email:t.lewisflood@elsevier.com

ELSEVIER SCIENCE

C0611

BACK ISSUES OF THIS JOURNAL

Back issues of this and all other Elsevier Science journals are available in hard copy. New subscribers to a journal may purchase back issues of that publication in hard copy edition at 25% discount off the standard price. Elsevier Science maintains stocks of back issues and orders may be placed with confidence at your nearest Elsevier Science office. Should any issue of a volume be temporarily out of stock at the time of ordering, a high quality photoduplicated copy will be supplied at no extra charge to complete your order.

SAVE UP TO 25% BY PURCHASING COMPLETE SETS

Customers wishing to purchase complete sets can do so at a saving of 25% off the individual volume price.

MICROFORM EDITIONS

Back issues in microform of Elsevier Science research journals are also available. For further information please apply to your nearest Elsevier Science office.

BACK ISSUES PRICE LIST

Full details of the rates of back issues of all Elsevier Science journals can be found in our Back Issues Price List. Please contact your nearest Elsevier Science office for a copy.

Regional Sales Offices

For customers in Europe, Middle East and Africa
Elsevier Science, Regional Sales Office, Customer Support Department, P.O. Box 211, 1000 AE Amsterdam, The Netherlands
Tel: (+31) 20 485 3757, Fax: (+31) 20 485 3432, E-mail: nlinfo-f@elsevier.nl

For customers in the United States & Canada
Elsevier Science, Regional Sales Office, Customer Support Department, P.O. Box 945, New York, N.Y. 10159-0945, U.S.A.
Tel: (+1) 212 633 3730, Toll Free number for North-American customers: 1-888-4ES-INFO (437-4636), Fax: (+1) 212 633 3680
E-mail: usinfo-f@elsevier.com

For customers in Japan
Elsevier Science, Regional Sales Office, Customer Support Department, 9-15 Higashi-Azabu, 1-chome, Minato-ku, Tokyo, 106-0044 Japan
Tel: (+81) 3 5561 5033, Fax: (+81) 3 5561 5047, E-mail: info@elsevier.co.jp

For customers in Asia and Australasia
Elsevier Science, Regional Sales Office, Customer Support Department, No. 1 Temasek Avenue, #17-01 Millenia Tower, Singapore 039192
Tel: (+65) 434 3727, Fax: (+65) 337 2230, E-mail: asiainfo@elsevier.com.sg

For customers in Latin America
Elsevier Science, Regional Sales Office, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil
Tel: (+55) 21 509 5340, Fax: (+55) 21 507 1991, E-mail: elsevier@campus.com.br

media@elsevier.co.uk

DISPLAY ADVERTISING

PRESENT YOURSELF STRAIGHT TO YOUR MARKET

Display advertising provides an interface between the commercial market and the scientific community. Offering an ever expanding range of services to enable the commercial sector to open up communication channels with potential customers and increase sales, we aim to provide the best possible means at cost effective prices.

Using display advertising to promote your products or services can:

- **Raise Market Awareness**
- **Enhance Brand Reputation**
- **Reach a Key Audience of Opinion Formers and Decision Makers**
- **Provide Association with Leading Research Publications**
- **Supply Exposure to International Readerships**

All Elsevier Science titles accept display advertising. For more information about how to promote your companies products or services in this, or any other journal please contact the address below.

CONTACT:

THE ADVERTISING DEPARTMENT
ELSEVIER SCIENCE
The Boulevard
Langford Lane
Kidlington
Oxford
OX5 1GB, UK
TEL: (44) 1865 843565
FAX: (44) 1865 843976
Email: media@elsevier.co.uk

ELSEVIER SCIENCE